

PTO/SB/08 (2-92)

Sheet 1 of 1

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 373722002400

Application Number 10/085,885

Applicant

Anthony J. TICKNOR et al.

Filing Date February 27, 2002

Group Art Unit 2874

Mailing Date August 31, 2004

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
KSW	1.	01/16/2003	2003/0012483	Ticknor et al.			
KSW	2.	06/28/1983	4,390,403	Batchelder			
KSW	3.	08/18/1998	5,795,457	Pethig et al.			
KSW	4.	09/04/2001	6,284,113	Bjornson et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
KSW	5.	02/01/1989	GB 2 207 522	Great Britain			
KSW	6.	09/06/2002	WO 02/068821	WIPO			

OTHER DOCUMENTS (including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title

EXAMINER:

Ken J. Wood

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EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

PTO/SB/08 (2-92)

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Form PTO-1449

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IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 373722002400

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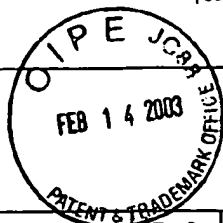
Applicant

Anthony J. TICKNOR et al.

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Mailing Date February 11, 2003



U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
KSW	1.	03/19/1985	4,505,539	Auracher et al.			
KSW	2.	04/04/1989	4,818,052	Le Pesant et al.			
KSW	3.	01/19/1993	5,181,016	Lee			
KSW	4.	02/27/2001	6,195,478	Fouquet			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
KSW	5.	10/01/1998	DE 197 11 564	Germany			Abstract
KSW	6.	01/07/1998	EP 0 815 940	Europe			
KSW	7.	12/16/1998	EP 0 884 714	Europe			
KSW	8.	12/01/2000	FR 2 794 039	France			Abstract
KSW	9.	11/16/1988	GB 2 204 710	Great Britain			
KSW	10.	09/30/1992	GB 2 254 161	Great Britain			

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
KSW	11.	Togo, H. et al. (1999). "Multi-Element Thermo-Capillary Optical Switch and Sub-Nanoliter Oil Injection for its Fabrication," <i>Miro Electro Mechanical Systems. 12th IEE International Conference. January 17-21, 1999</i> pp. 418-423.

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INFORMATION DISCLOSURE CITATION
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(Use several sheets if necessary)

Docket Number 373722002400
Client Reference: A063

Application Number 10/085,885

Applicant

Anthony J. TICKNOR et al.

Filing Date February 27, 2002

Group Art Unit 2874

Mailing Date May 8, 2002



U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
KSW	1.	04/22/1986	4,583,824	Lea			
KSW	2.	12/06/1988	4,789,228	Le Pesant et al.			
KSW	3.	01/29/1991	4,988,157	Jackel et al.			
KSW	4.	12/16/1997	5,699,462	Fouquet et al.			
KSW	5.	07/13/1999	5,921,678	Desai et al.			
KSW	6.	09/21/1999	5,956,005	Sheridon			
KSW	7.	09/28/1999	5,960,131	Fouquet et al.			
KSW	8.	11/02/1999	5,978,527	Donald			
KSW	9.	04/25/2000	6,055,344	Fouquet et al.			
KSW	10.	06/06/2000	6,072,924	Sato et al.			
KSW	11.	01/09/2001	6,170,981	Regnier et al.			
KSW	12.	04/03/2001	6,210,128	Rife et al.			
KSW	13.	05/15/2001	6,231,737	Ramsey et al.			
KSW	14.	09/11/2001	6,287,520	Parce et al.			
KSW	15.	10/23/2001	6,306,659	Parce et al.			
KSW	16.	12/18/2001	6,331,073	Chung			
KSW	17.	12/18/2001	6,331,439	Cherukuri et al.			
KSW	18.	01/01/2002	6,334,676	Kaszczuk et al.			
KSW	19.	01/08/2002	6,337,740	Parce			
KSW	20.	01/29/2002	6,342,142	Ramsey			

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Examiner Initials	Ref. No.	Date			Class	Subclass	Translation YES NO
KSW	21.	06/24/1994	JP 06-175052	Japan			
KSW	22.	04/07/1995	JP 07-092405	Japan			

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Kim J. Wood

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Form PTO-1449		Docket Number 373722002400 Client Reference: A063		Application Number 10/085,885	
INFORMATION DISCLOSURE CITATION BY AN APPLICATION (Use several sheets if necessary)		Applicant Anthony J. TICKNOR et al.			
		Filing Date February 27, 2002		Group Art Unit 2874	
		Mailing Date May 8, 2002			
KSU	03/08/1996	JP 08-062645	Japan		
KSU	24.	12/27/2001	WO 01/98759	WIPO	Derwent Abstract

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
KSU	25.	Patent Abstracts of Japan for Japanese patent no. 06-175052, published on June 24, 1994 (2 pages, abstract only).
KSU	26.	Patent Abstracts of Japan for Japanese patent no. 07-092405, published on April 07, 1995 (1 page, abstract only).
KSU	27.	Patent Abstracts of Japan for Japanese patent no. 08-062645, published on March 08, 1996 (1 page, abstract only).
KSU	28.	Beni, G. and Hackwood, S. (1981). "Electro-Wetting Displays," <i>Appl. Phys. Lett.</i> 38(4): 207-209.
KSU	29.	Jackel, J. L. et al. (1983). "Electro Wetting Switch for Multimode Optical Fibers," <i>Applied Optics</i> 22(11): 1765-1770.
KSU	30.	Jang, J. and Lee, S. S. (2000). "Theoretical and Experimental Study of MHD (Magnetohydrodynamic Micropump)," <i>Sensors and Actuators</i> 80:84-89.
KSU	31.	Krijnen, G. J. M. et al. (1999). "Optical Devices Based on Fluidic Controlled Two-Mode Interference," <i>J. Micromech. Microeng.</i> 9:203-205.
KSU	32.	Lea, M. C. (1981). "Optical Modulators Based on Electrocapillarity," <i>Optic Letters</i> 6(8):395397.
KSU	33.	Lee, J. and Kim, C-J (2000). "Surface-Tension-Driven Microactuation Based on Continuous Electrowetting," <i>Journal of Microelectromechanical Systems</i> 9(2):171-180.
KSU	34.	Lemoff, A. V. and Lee, A. P. (2000). "An AC Magnetohydrodynamic Micropump," <i>Sensors and Actuators</i> B63:178-185.
KSU	35.	Makihara, M. et al. (1999). "Micromechanical Optical Switches Based on Thermocapillary Integrated in Waveguide Substrate," <i>Journal of Lightwave Technology</i> 17(1):14-18.
KSU	36.	Pollack, M. G. and Fair, R. B. (2000). "Electrowetting-Based Actuation of Liquid Dropets for Microfluidic Applications," <i>Applied Physics Letters</i> 77(11):1725-1726.
KSU	37.	Prins, M. W. J. et al. (2001). "Fluid Control in Multichannel Structures by Electrocapillary Pressure," <i>Science</i> 291:277-280.
KSU	38.	Richter, A. et al. (1991). "Electrohydrodynamic Pumping and Flow Measurement," <i>IEEE PROC. MEMS.</i> , New York, USA, pp. 271-276.
KSU	39.	Richter, A. and Hermann, S. (1990). "An Electrohydrodynamic Micropump," <i>IEEE PROC. MEMS.</i> , New York, USA, pp. 99-104.

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use separate sheets if necessary)		Applicant Anthony J. TICKNOR et al.	
		Filing Date February 27, 2002	Group Art Unit 2874
		Mailing Date May 8, 2002	
KSW	40.	Ross, D. and Hitchison, J. S. (2001). "Microfluidic Optical Switches Using Two Non-Mixing Fluids in a Mach Zehnder Interferometer," OECC/IOOC 2001 Conferences Incorporating ACOFT, Monday July 2, Thursday 5, July, 2001, 2 pages.	
KSW	41.	Sakata, T. et al. (2001). "Improvement of Switching Time in a Thermocapillarity Optical Switch," <i>Journal of Lightwave Technology</i> 19(7):1023-1027.	
KSW	42.	Sato, M. (1994). "Electrocapillarity Optical Switch," <i>IEICE Trans. Commun.</i> E77-B(2):197-203.	
KSW	43.	Vallet, M. et al. (1996). "Electrowetting of Water and Aqueous Solutions on Poly(Ethylene Terephthalate) Insulating Films," <i>Polymer</i> 37(12):2465-2470.	
EXAMINER: <i>Kenneth J. Wood</i> DATE CONSIDERED: <i>1/23/05</i>			
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